

TUCKERMAN. [F.]

ANTHROPOMETRIC DATA XXXXX



Tuckerman (F.)

[Anthropometric data based upon
nearly 3000 measurements taken
from students]

Amherst, 1888, 16. 8°.



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INDEX
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The following anthropometric data are based upon nearly three thousand measurements taken from fifty-two students of the three upper classes of the Massachusetts Agricultural College during the academic year, 1884-1885. The average results are first given, and following them is a table showing the percentage difference between the two sides of the body of a number of measurements and tests.

Age,—Ave., 19 years and 6 months; max., 26 yrs.; min., 16 yrs.
 Weight,—Ave., 67.8 kilog.; max., 82.7 kilog.; min., 54 kilog.
 Height,—Ave., 1.730 m.; max., 1.896 m.; min., 1.607 m.
 Horizontal Length,—Ave., 1.742 m.; max., 1.903 m.; min., 1.617 m.; ave. difference between height and horizontal length, 12 mm.
 Height of Knee,—*Right*, 535 mm.; *Left*, 529 mm.; difference, 6 mm.
 Length of Lower Extremity,—*Right*, 913 mm.; *Left*, 909 mm.; diff., 4 mm.
 Length of Upper Extremity to Elbow,—*Right*, 342 mm.; *Left*, 342 mm.
 Length of Upper Extremity to Wrist,—*Right*, 571 mm.; *Left*, 565 mm.; diff., 6 mm.
 Total Length of Upper Extremity,—*Right*, 789 mm.; *Left*, 775 mm.; diff., 14 mm.
 Girth of Chest,—*Full*, 864 mm.; *Repose*, 812 mm.; diff., 52 mm.
 Girth of Abdomen,—748 mm.
 Girth of Arm,—*Right*, 283 mm.; *Left*, 273 mm.; diff., 10 mm.
 Girth of Forearm,—*Right*, 263 mm.; *Left*, 255 mm.; diff., 8.
 Girth of Thigh,—*Right*, 513 mm.; *Left*, 512 mm.; diff., 1 mm.
 Girth of Leg,—*Right*, 356 mm.; *Left*, 355 mm.; diff., 1 mm.
 Strength of Arm (Traction),—*Right*, 87.3 kilog.; max., 125 kilog.; *Left*, 78.5 kilog.; max., 109 kilog.
 Strength of Forearm and Hand,—*Right*, 41 kilog.; max., 62 kilog.; min., 30 kilog.; *Left*, 36 kilog.; max., 48 kilog.; min., 29 kilog.

	PER CENT.		
	Right.	Left.	Equal.
Height of Knee,	75.00	11.87	13.13
Length of Lower Extremity,	42.28	40.31	17.41
Length of Upper Extremity to Elbow,	44.26	51.51	4.23
Length of Upper Extremity to Wrist,	61.82	33.95	4.23
Total Length of Upper Extremity,	74.30	20.10	5.60
Girth of Chest, Repose,	54.32	17.38	28.30
Girth of Abdomen,	51.70	41.74	6.56
Girth of Arm,	83.30	4.20	12.50
Girth of Forearm,	83.30	8.35	8.35
Girth of Thigh,	54.46	37.50	8.04
Girth of Leg,	54.46	29.11	16.43
Strength of Arm,	84.00	8.00	8.00
Strength of Forearm and Hand,	68.25	5.45	26.30
Dominant Eye,	73.15	22.45	4.40
Dominant Hand,	90.26	1.94	7.80
Muscular Sensibility,	38.76	40.81	20.43
Excursion of Arms,	78.16	15.14	6.70
Bias in Walking,	28.41	61.30	10.29

Amherst, Nov., 1888.

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